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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,269	07/08/2003	Ivan Yang-En Wu	7638-US-PA	1268

31561 7590 09/20/2005

JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE
7 FLOOR-1, NO. 100
ROOSEVELT ROAD, SECTION 2
TAIPEI, 100
TAIWAN

EXAMINER

NGUYEN, THANH NHAN P

ART UNIT	PAPER NUMBER
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2871

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No. 10/604,269	Applicant(s) WU ET AL.	
	Examiner (Nancy) Thanh-Nhan P. Nguyen	Art Unit 2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8, 10 and 11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8, 10 and 11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is responsive to Amendment dated 7/20/2005.
2. Claims 1-6, 8 and 10-11 are presented for examination.

Claims 7, 9 and 12-21 are cancelled.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 8 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fujieda U.S. Patent No. 6,781,647 in view of Itou et al U.S. Patent No. 6,556,260.

Referring to claims 1 and 8, Fujieda discloses a reflective liquid crystal display comprising a liquid crystal display panel (20) having a plurality of pixels, wherein each pixel has a plurality of color blocks; and a regional light source (10) over the liquid crystal display panel to radiate directly thereon, wherein the regional light source includes a plurality of spots (light emitting structure 12,13,14), [see figs. 2B & 3].

Fujieda lacks disclosure of wherein the regional light source includes a plurality of spots scattered over each of the color blocks, and wherein each of the light-emitting structure spots is disposed across at least two of the color blocks.

Itou et al discloses the regional light source (31) includes a plurality of spots scattered over each of the color blocks (51, 52, 53), and wherein each of the light-

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emitting structure spots is disposed across at least two of the color blocks, [see fig. 23], for the benefit of enabling a maximum utilization of light, [see col. 8, lines 35-43]. Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to have the regional light source includes a plurality of spots scattered over each of the color blocks, and each of the light-emitting structure spots is disposed across at least two of the color blocks for the benefit of enabling a maximum utilization of light.

Referring to claim 2, Fujieda discloses the regional light source comprising a substrate (11); and a plurality of light-emitting structure spots (12,13,14) on one side of the substrate, [see figure 2B].

Referring to claims 3-4, Fujieda discloses the light-emitting structure spots are disposed on the side of the liquid crystal display panel facing / distal to the liquid crystal display panel, [see figure 2B].

Referring to claim 5, Fujieda discloses the light-emitting structure includes an organic light emitting diode, [see column 4, lines 49-50].

Referring to claim 6, Fujieda discloses the light-emitting structure spots comprising a cathode; an anode, under the cathode at the side facing the liquid crystal display panel; and a luminescent layer, between the cathode and the anode, [see figure 2B, elements 12,13,14].

Referring to claim 10, Fujieda discloses the liquid crystal display panel comprising a color filter (26); a polarizer (29) on the color filter; a thin-film transistor substrate (21) without direct contact to the color filter; a reflection layer (22), formed on

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the thin-film transistor substrate; and a liquid crystal layer (24), filled between the color filter and the thin-film transistor substrate, [see figure 2B].

Referring to claim 11, Fujieda discloses the regional light source is directly mounted to the polarizer, [see column 5, lines 26-30].

Response to Amendment

Applicant's arguments with respect to claims 1-6, 8 and 10-11 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fujieda U.S. Patent No. 6,781,647 discloses a regional light source over the liquid crystal display panel to radiate directly thereon.

Itou et al U.S. Patent No. 6,556,260 discloses the regional light source is located at an edge of each of the color blocks correspondingly.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to (Nancy) Thanh-Nhan P. Nguyen whose telephone number is 571-272-1673. The examiner can normally be reached on M-F/9-5:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on 571-272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

(Nancy) Thanh-Nhan P Nguyen
Examiner
Art Unit 2871
-- September 15, 2005 --

TN


ROBERT KIM
SUPERVISORY PATENT EXAMINER